PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

A 1112	nt's file reference			See Form PCT/IPEA/416			
Applicant's or agent's file reference		FOR FURTHER ACTIO	N 				
04-458PCT International application No.		International filing date (day/	month/year)	Priority date (day/month/year)			
29 September 2004 (29.09.2		29 September 2004 (29.09.20	004)	29 September 2003 (29.09.2003)			
International Pater	nt Classification (IPC)	or national classification and IP	С				
	IPC(7): H01M 008/12 and US Cl.: 429/32						
Applicant							
UTC FUEL CELLS, LLC							
Evan	Examining Authority under Article 35 and transmitted to the applicant according to 7 kiloto 5 or						
2. This	sheets including this cover sheet.						
3. This	report is also accomp	panied by ANNEXES, comp	rising:				
، ٦	Sent to the application	ant and to the International	Bureau) a total of	sheets, as follows:			
a. [(sent to the applicant and to the International Bureau) a total of sheets, as follows: [sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of							
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
4. This	report contains indi	cations relating to the follow	ing items:				
	Box No. I Basis of the report						
	Box No. II Priority						
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV Lack of unity of invention						
	-	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI Certain documents cited						
	Box No. VII Certain defects in the intern		ational application				
	Box No. VIII	Certain observations on the	international appl	ication			
Date of submission of the demand		Date of completion of this report					
02 May 2005 (0)2.05.2005)		22 June 2005 (22.0				
Name and mailing address of the IPEA/ US		Authorized officer					
Mail Stop PCT, Atm: IPEA/US Commissioner for Patents		John S. Maples	1 w/ VUC /				
P.O. Box 1450 Alexandria, Virginia 22313-1450				VI-272-1700			
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(January 2004)				1-212-1100			
Form PCT/IPEA	/409 (cover sheet)(Jan	uary 2004)					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

ļ	International application No.	_
	PCT/US04/32038	

Box No. I Basis of the report					
1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.					
This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:					
international search (under Rules 12.3 and 23.1(b))					
publication of the international application (under Rule 12.4)					
international preliminary examination (under Rules 55.2 and/or 55.3)					
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
the international application as originally filed/furnished					
the description: pages 1-9 as originally filed/furnished					
pages* NONE received by this Authority on					
pages* NONE received by this Authority on					
the claims: pages 10-13 as originally filed/furnished					
pages* NONE as amended (together with any statement) under Article 19					
received by this Authority on					
pages NONE received by this Authority on					
the drawings:					
pages 1-3 as originally filed/furnished pages* NONE received by this Authority on					
pages* NONE received by this Authority on pages* NONE received by this Authority on					
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.					
3. The amendments have resulted in the cancellation of:					
the description, pages					
the claims, Nos.					
the drawings, sheets/figs					
the sequence listing (specify):					
any table(s) related to the sequence listing (specify):					
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
the description, pages					
the claims, Nos.					
the drawings, sheets/figs					
the sequence listing (specify):					
any table(s) related to the sequence listing (specify):					
* If item 4 applies, some or all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/32038

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims 9, 10, 14-16	YES			
	Claims <u>1-8, 11-13, 17</u>	NO NO			
Inventive Step (IS)	Claims 9, 10, 14-16	YES			
inventive step (13)	Claims 9, 10, 14-16 Claims 1-8, 11-13, 17				
Industrial Applicability (IA)	Claims 1-17				
	Claims NONE	NO			
Claims 9-10 and 14-16 meet the criteria set out in PC and the cathode side frames each having a plurality on not show the cooling fluid channels carrying out the	of openings within which the seals and the fuel cell	Is are located. The art also does			
Claims 1-17 meet the criteria set out in PCT Article subject matter claimed can be made or used in indus	33(4), and thus the solid oxide fuel cell has industrary.	ial applicability because the			
NEW CITATIONS					